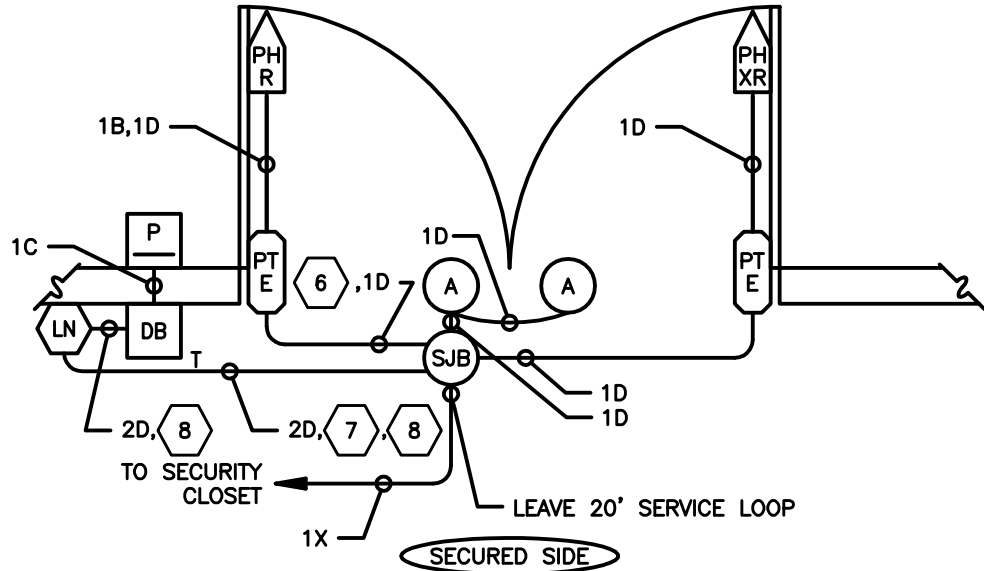


SYMBOLS LIST

(A)	ALARM CONTACT
[P]	MULTI-TECH CARD READER
(LN)	LOCAL NOISE, SIREN & PIEZO
(PTE)	ELECTRIC POWER TRANSFER
[DB]	JUNCTION BOX w/ DOOR BOARD, TAMPER
(PH R)	ELECTRIC PANIC w/REX SWITCH
(PH XR)	MANUAL PANIC w/REX SWITCH
(SJB)	SECURITY JUNCTION BOX



OPERATION

IN THE NORMAL STATE, THE DOORS ARE CLOSED, LOCKED ON THE UNSECURED SIDE, AND UNLOCKED FROM THE SECURED SIDE. NORMAL OPERATION IS BY ACCESS CARD ON THE UNSECURED SIDE AND BY PANIC HARDWARE FROM THE SECURED SIDE. THE REQUEST-TO-EXIT MICROSWITCH, OPERATED BY THE SECURED SIDE PANIC HARDWARE, WILL SHUNT THE ALARM BUT WILL NOT UNLOCK THE LOCK. IF THE DOORS ARE HELD PAST THE PRESET OPEN TIME, A PIEZO PRE ALARM WARNING WILL SOUND A WARNING UNTIL THE DOOR IS CLOSED. IF THE DOORS ARE LEFT OPEN, OR ARE FORCED OPEN, A SIREN WILL SOUND UNTIL THE DOORS ARE CLOSED. IF THE DOORS ARE OPENED FROM THE UNSECURED SIDE WITH A KEY, A DOOR FORCED ALARM WILL BE GENERATED. IF THE DOOR BOARD JUNCTION BOX COVER IS OPENED, A TAMPER ALARM WILL BE GENERATED.

DIAGRAM NOTES

- IF USING OTHER DOOR HARDWARE MANUFACTURER, SUBMIT DOCUMENTATION TO SHOW FUNCTIONAL AND OPERATIONAL EQUIVALENCY.
 - THIS DRAWING IS FOR DIAGRAMMATIC PURPOSES ONLY. FOR ACTUAL HANDING AND SWING REFERENCE FLOOR PLANS.
 - HARDWARE SUPPLIED THROUGH THE ARCHITECT'S SPECIFICATIONS.
 - DOOR CONTACT SUPPLIED THROUGH SECURITY CONTRACT.
 - FOR RATED ASSEMBLIES, THE DOOR AND FRAME MUST BE FACTORY PREPARED FOR ALL ELECTRIC HARDWARE AND SECURITY DEVICES.
- 6** USE THE INNER WHITE AND GREEN STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.
- 7** USE THE INNER WHITE AND YELLOW STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.
- 8** USE THE INNER WHITE AND PURPLE STRIPED JACKETED CABLE FROM THE X CABLE. LAND COLOR CODED WIRES PER THE POINT-TO-POINT WIRING DIAGRAM AND SPARE OFF ANY UNUSED WIRES.

BB-1

DOUBLE DOOR, CARD IN/FREE EXIT
ELECTRIC PANIC w/REX SWITCH, MANUAL PANIC w/REX SWITCH
LOCAL NOISE (SIREN & PIEZO), FAIL SECURE

DIAGRAM

SCALE: N.T.S.

LBNL ELECTRICAL STANDARDS

SECURITY CARD ACCESS BB-1

DOUBLE DOOR, CARD IN/FREE EXIT ELECTRIC LOCKSET

UNIVERSITY OF CALIFORNIA LAWRENCE BERKELEY NATIONAL LABORATORY

FACILITIES DIVISION

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